

# Investigator's Report

*Super-Sleuth*

Case Information

Investigator's Name: \_\_\_\_\_ Date: \_\_\_\_\_

Case File #: 008 \_\_\_\_\_

Case Name: Changing Climates \_\_\_\_\_

Location: Florissant Fossil Beds National Monument, CO \_\_\_\_\_

## Observations:

In the last several mysteries, you have discovered much about the past and present climates of Florissant. Write down a list of observations about the present climate and another for the past climate. Be sure to consider things such as precipitation, temperature, and the types of plants and animals present.

Questions and Hypotheses

Your mission is to discover what caused the climate of Florissant to change between the Eocene and present-day. Use the space below to write three of your own questions and hypotheses to help you solve the mystery.

1. \_\_\_\_\_

---

---

---

---

---

2. \_\_\_\_\_

---

---

---

---

---

3. \_\_\_\_\_

---

---

---

---

---

Now that you have hypotheses written, start looking at the evidence to see if it supports your hypotheses. You will need to visit these leads to gather evidence for your case. Use the space below to take notes.

Reconstructing the Past:

---

---

---

---

---

---

---

---

---

---

Climate and Elevation:

---

---

---

---

---

---

---

---

---

---

Physiognomic and Floristic Methods:

---

---

---

---

---

---

---

---

---

---

Now that you have hypotheses written, start looking at the evidence to see if it supports your hypotheses. You will need to visit these leads to gather evidence for your case. Use the space below to take notes.

A Bit About Plates:

---

---

---

---

---

---

---

---

---

---

Age Dating:

---

---

---

---

---

---

---

---

---

---

Tree Rings:

---

---

---

---

---

---

---

---

---

---

## Results and Conclusions

## Verification

|              |      |       |
|--------------|------|-------|
| Hypothesis 1 | TRUE | FALSE |
| Hypothesis 2 | TRUE | FALSE |
| Hypothesis 3 | TRUE | FALSE |

Date: \_\_\_\_\_

4 |